



ATTORNEY'S DOCKET NO.  
074263.0208 (SC98026 CON2-B)

CONTINUATION PATENT APPLICATION

1

10/766494  
22390 US PTO  
012804



APPLICATION FOR U.S. PATENT UNDER 37 C.F.R. § 1.53(b)

**UTILITY PATENT APPLICATION TRANSMITTAL FORM**

**Mail Stop PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the utility patent application of:

**Inventor(s) or Application Identifier:**

**Shilin Chen**

**Entitled:** **ROLLER-CONE BITS, SYSTEMS, DRILLING METHODS,  
AND DESIGN METHODS WITH OPTIMIZATION OF TOOTH  
ORIENTATION**

**APPLICATION ELEMENTS:**

1.  **This Fee Transmittal Form (4 Total Pages)**
2. **Applicant is:**  
 **Large Entity**  
 **Small Entity**  
 **Small Entity Statement enclosed**  
 **Small Entity Statement filed in prior application.**  
**Status still proper and desired.**
3.  **Specification (27 Total Pages)**
4.  **Drawing(s) (21 Total Sheets)**  
 **Formal**  
 **Informal**
5.  **Combined Declaration and Power of Attorney**  
**(1 Document, 2 Total Pages)**  
 **Newly executed (original)**  
 **Copy from a prior application**  
**(for continuation/divisional only)**

6. The accompanying application is:

Original  
 Continuation  
 Divisional  
 Continuation-In-Part (CIP)

Prior Application No.: 10/189,305  
Filed: July 2, 2002  
Examiner: Hoang C. Dang  
Group/Art Unit: 3672  
Confirmation No.: 1500

which is hereby incorporated by reference therein.

(For Continuation or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5 above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.)

7.  Priority of foreign Application No. \_\_\_\_\_, filed on \_\_\_\_\_ is claimed under 35 U.S.C. § 119.  
 A certified copy is attached.  
 A certified copy was filed in prior Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.

8.  The prior application is assigned of record to Halliburton Energy Services, Inc. a Delaware corporation, at reel 010406, frame 0491 and was recorded on November 26, 1999 in the U.S. Patent and Trademark Office records.

*This application is a continuation of U.S. Patent Application Serial No. 10/189,305 filing by Shilin Chen on July 2, 2002, which is a continuation of U.S. Patent Application Serial No. 09/629,344 filed by Shilin Chen on August 1, 2000, now U.S. Patent No. 6,412,577, which is a continuation of U.S. Patent Application Serial No. 09/387,304 filed by Shilin Chen on August 31, 1999, now U.S. Patent No. 6,095,262, which claims the benefit of U.S. Provisional Application Serial No. 60/098,422 filed on August 31, 1998.*

**FEE CALCULATION:**

*CLAIMS AS FILED IN THE APPLICATION, LESS ANY CLAIMS CANCELLED  
BY PRELIMINARY AMENDMENT OR ADDED BY PRELIMINARY AMENDMENT*

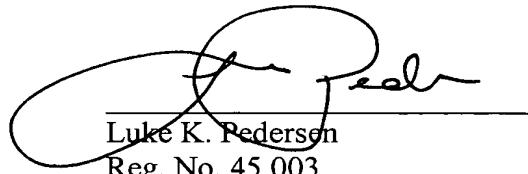
<b>FEES CALCULATION</b>					<b>Large Entity FEE</b>
	<b>Number</b>		<b>Number Extra</b>	<b>Rate</b>	<b>Basic Fee</b>
					\$ 770.00
Total Claims:	36	-20 =	16	X \$18 =	288.00
Independent Claims	1	- 3 =	-0-	X \$86 =	.00
Total of Above					\$ .00
<b>TOTAL FILING FEE =</b>					<b>\$1,058.00</b>

*ACCOMPANYING APPLICATION PARTS:*

9.  An Assignment of the invention to \_\_\_\_\_ is attached. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31 is included with an Assignment recordal fee of \$ 40 pursuant to 37 C.F.R. § 1.21(h).
11.  **Information Disclosure Statement (IDS) and PTO-1449 (6 Total Pages)**  
 Copies of IDS Citations.  
 **Pursuant to 37 C.F.R. § 1.98(d), copies of these references are not being furnished.**
12.  Preliminary Amendment
13.  **Request for Interference with Patent Application Pursuant to 37 C.F.R. 1.604 (23 Total Pages)**
14.  **Certificate of Mailing**
15.  **Return Receipt Postcard**

16.  A check in the amount of **\$1,058.00** to satisfy filing fee requirements under 37 C.F.R. § 1.16.

Respectfully submitted,  
BAKER BOTTS L.L.P.  
Attorneys for Applicants



Luke K. Pedersen  
Reg. No. 45,003

Date: 1/28/04

Correspondence Address:

2001 Ross Avenue, Suite 600  
Dallas, Texas 75201  
(214) 953-6655 *direct line*  
(214) 661-4655 *direct fax*

X Customer Number : **31625**  
Attorney Docket No.: 074263.0208

Attorney Docket No.  
074263.0208 (SC98026 CON2-B)

CONTINUATION  
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Shilin Chen  
Serial No.: To Be Assigned  
Filing Date: January 28, 2004  
Title: **ROLLER-CONE BITS, SYSTEMS, DRILLING  
METHODS, AND DESIGN METHODS WITH  
OPTIMIZATION OF TOOTH ORIENTATION**

**MAIL STOP PATENT APPLICATION**

Honorable  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

I hereby certify that the attached Continuation Utility Patent Application (27 pages); including 27 pages of Specification, 4 pages of Claims, and 1 page of Abstract; a Utility Patent Application Transmittal Form with Fees Calculated (4 pages); Formal Drawings (21 sheets), an Information Disclosure Statement (2 pages); a PTO-1449 Form (4 pages); a copy of an executed combined Declaration and Power of Attorney (2 pages); a Request for Interference with Patent Application Pursuant to 37 C.F.R. 1.604 (23 pages); a check in the amount of \$1,058.00 to satisfy filing fee; a Baker Botts acknowledgement return postcard (1 postcard); and this Certificate of Mailing is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 28th day of January, 2004, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Willie Jiles  
Willie Jiles

Express Mail Receipt  
No. **EV 323455520 US**  
Attorney Docket No. 074263.0208 (SC98026 CON2-B)

**EV323455520US**